

$O_{10}^-(2).2 \pmod{11}$

	blocks	defect	matrix
$G :$	1	1	11×10
	2	0	$154_1 = \chi_{2,0}, \varphi_{2,0}$
	3	0	$154_2 = \chi_{2,1}, \varphi_{2,1}$
	4	0	$187_1 = \chi_{3,0}, \varphi_{3,0}$
	5	0	$187_2 = \chi_{3,1}, \varphi_{3,1}$
	6	1	7×5
	7	0	$748_1 = \chi_{7,0}, \varphi_{7,0}$
	8	0	$748_2 = \chi_{7,1}, \varphi_{7,1}$
	9	0	$2244_1 = \chi_{8,0}, \varphi_{8,0}$
	10	0	$2244_2 = \chi_{8,1}, \varphi_{8,1}$
	11	0	$5236_1 = \chi_{9,0}, \varphi_{9,0}$
	12	0	$5236_2 = \chi_{9,1}, \varphi_{9,1}$
	13	0	$5236_3 = \chi_{10,0}, \varphi_{10,0}$
	14	0	$5236_4 = \chi_{10,1}, \varphi_{10,1}$
	15	0	$6545_1 = \chi_{13,0}, \varphi_{13,0}$
	16	0	$6545_2 = \chi_{13,1}, \varphi_{13,1}$
	17	0	$6545_3 = \chi_{14,0}, \varphi_{14,0}$
	18	0	$6545_4 = \chi_{14,1}, \varphi_{14,1}$
	19	0	$7700_1 = \chi_{15,0}, \varphi_{15,0}$
	20	0	$7700_2 = \chi_{15,1}, \varphi_{15,1}$
	21	0	$9350_1 = \chi_{16,0}, \varphi_{16,0}$
	22	0	$9350_2 = \chi_{16,1}, \varphi_{16,1}$
	23	0	$10692_1 = \chi_{17,0}, \varphi_{17,0}$
	24	0	$10692_2 = \chi_{17,1}, \varphi_{17,1}$
	25	0	$13090_1 = \chi_{18,0}, \varphi_{18,0}$
	26	0	$13090_2 = \chi_{18,1}, \varphi_{18,1}$
	27	0	$14960_1 = \chi_{19,0}, \varphi_{19,0}$
	28	0	$14960_2 = \chi_{19,1}, \varphi_{19,1}$
	29	0	$15147_1 = \chi_{20,0}, \varphi_{20,0}$
	30	0	$15147_2 = \chi_{20,1}, \varphi_{20,1}$
	31	0	$15708_1 = \chi_{21,0}, \varphi_{21,0}$
	32	0	$15708_2 = \chi_{21,1}, \varphi_{21,1}$
	33	0	$31416_1 = \chi_{22+}, \varphi_{22+}$
	34	0	$52360_1 = \chi_{25+}, \varphi_{25+}$
	35	0	$32725_1 = \chi_{27,0}, \varphi_{27,0}$
	36	0	$32725_2 = \chi_{27,1}, \varphi_{27,1}$
	37	0	$35904_1 = \chi_{28,0}, \varphi_{28,0}$
	38	0	$35904_2 = \chi_{28,1}, \varphi_{28,1}$
	39	0	$39270_1 = \chi_{29,0}, \varphi_{29,0}$
	40	0	$39270_2 = \chi_{29,1}, \varphi_{29,1}$

	blocks	defect	matrix
	41	0	$39270_3 = \chi_{30,0}, \varphi_{30,0}$
	42	0	$39270_4 = \chi_{30,1}, \varphi_{30,1}$
	43	0	$41888_1 = \chi_{31,0}, \varphi_{31,0}$
	44	0	$41888_2 = \chi_{31,1}, \varphi_{31,1}$
	45	0	$56100_1 = \chi_{32,0}, \varphi_{32,0}$
	46	0	$56100_2 = \chi_{32,1}, \varphi_{32,1}$
	47	0	$59840_1 = \chi_{33,0}, \varphi_{33,0}$
	48	0	$59840_2 = \chi_{33,1}, \varphi_{33,1}$
	49	0	$65450_1 = \chi_{34,0}, \varphi_{34,0}$
	50	0	$65450_2 = \chi_{34,1}, \varphi_{34,1}$
	51	0	$130900_1 = \chi_{35+}, \varphi_{35+}$
	52	0	$78540_1 = \chi_{39,0}, \varphi_{39,0}$
	53	0	$78540_2 = \chi_{39,1}, \varphi_{39,1}$
	54	0	$83776_1 = \chi_{40,0}, \varphi_{40,0}$
	55	0	$83776_2 = \chi_{40,1}, \varphi_{40,1}$
	56	0	$209440_1 = \chi_{41+}, \varphi_{41+}$
	57	0	$106029_1 = \chi_{43,0}, \varphi_{43,0}$
	58	0	$106029_2 = \chi_{43,1}, \varphi_{43,1}$
	59	0	$106029_3 = \chi_{44,0}, \varphi_{44,0}$
	60	0	$106029_4 = \chi_{44,1}, \varphi_{44,1}$
	61	0	$212058_1 = \chi_{45+}, \varphi_{45+}$
	62	0	$123200_1 = \chi_{47,0}, \varphi_{47,0}$
	63	0	$123200_2 = \chi_{47,1}, \varphi_{47,1}$
	64	0	$130900_2 = \chi_{48,0}, \varphi_{48,0}$
	65	0	$130900_3 = \chi_{48,1}, \varphi_{48,1}$
	66	0	$130900_4 = \chi_{49,0}, \varphi_{49,0}$
	67	0	$130900_5 = \chi_{49,1}, \varphi_{49,1}$
	68	0	$130900_6 = \chi_{50,0}, \varphi_{50,0}$
	69	0	$130900_7 = \chi_{50,1}, \varphi_{50,1}$
	70	0	$130900_8 = \chi_{51,0}, \varphi_{51,0}$
	71	0	$130900_9 = \chi_{51,1}, \varphi_{51,1}$
	72	0	$261800_1 = \chi_{52+}, \varphi_{52+}$
	73	0	$157080_1 = \chi_{54,0}, \varphi_{54,0}$
	74	0	$157080_2 = \chi_{54,1}, \varphi_{54,1}$
	75	0	$157080_3 = \chi_{55,0}, \varphi_{55,0}$
	76	0	$157080_4 = \chi_{55,1}, \varphi_{55,1}$
	77	0	$171072_1 = \chi_{56,0}, \varphi_{56,0}$
	78	0	$171072_2 = \chi_{56,1}, \varphi_{56,1}$
	79	0	$181764_1 = \chi_{57,0}, \varphi_{57,0}$
	80	0	$181764_2 = \chi_{57,1}, \varphi_{57,1}$

	blocks	defect	matrix
	81	0	$191488_1 = \chi_{60,0}, \varphi_{60,0}$
	82	0	$191488_2 = \chi_{60,1}, \varphi_{60,1}$
	83	0	$212058_2 = \chi_{61,0}, \varphi_{61,0}$
	84	0	$212058_3 = \chi_{61,1}, \varphi_{61,1}$
	85	0	$227205_1 = \chi_{62,0}, \varphi_{62,0}$
	86	0	$227205_2 = \chi_{62,1}, \varphi_{62,1}$
	87	0	$251328_1 = \chi_{63,0}, \varphi_{63,0}$
	88	0	$251328_2 = \chi_{63,1}, \varphi_{63,1}$
	89	0	$502656_1 = \chi_{64+}, \varphi_{64+}$
	90	0	$261800_2 = \chi_{66,0}, \varphi_{66,0}$
	91	0	$261800_3 = \chi_{66,1}, \varphi_{66,1}$
	92	0	$261800_4 = \chi_{67,0}, \varphi_{67,0}$
	93	0	$261800_5 = \chi_{67,1}, \varphi_{67,1}$
	94	0	$261800_6 = \chi_{68,0}, \varphi_{68,0}$
	95	0	$261800_7 = \chi_{68,1}, \varphi_{68,1}$
	96	0	$294525_1 = \chi_{69,0}, \varphi_{69,0}$
	97	0	$294525_2 = \chi_{69,1}, \varphi_{69,1}$
	98	0	$294525_3 = \chi_{70,0}, \varphi_{70,0}$
	99	0	$294525_4 = \chi_{70,1}, \varphi_{70,1}$
	100	0	$589050_1 = \chi_{71+}, \varphi_{71+}$
	101	0	$302940_1 = \chi_{73,0}, \varphi_{73,0}$
	102	0	$302940_2 = \chi_{73,1}, \varphi_{73,1}$
	103	0	$314160_1 = \chi_{74,0}, \varphi_{74,0}$
	104	0	$314160_2 = \chi_{74,1}, \varphi_{74,1}$
	105	0	$418880_1 = \chi_{76,0}, \varphi_{76,0}$
	106	0	$418880_2 = \chi_{76,1}, \varphi_{76,1}$
	107	0	$418880_3 = \chi_{77,0}, \varphi_{77,0}$
	108	0	$418880_4 = \chi_{77,1}, \varphi_{77,1}$
	109	0	$424116_1 = \chi_{78,0}, \varphi_{78,0}$
	110	0	$424116_2 = \chi_{78,1}, \varphi_{78,1}$
	111	0	$424116_3 = \chi_{79,0}, \varphi_{79,0}$
	112	0	$424116_4 = \chi_{79,1}, \varphi_{79,1}$
	113	0	$848232_1 = \chi_{80+}, \varphi_{80+}$
	114	0	$1047200_1 = \chi_{82+}, \varphi_{82+}$
	115	0	$530145_1 = \chi_{84,0}, \varphi_{84,0}$
	116	0	$530145_2 = \chi_{84,1}, \varphi_{84,1}$
	117	0	$530145_3 = \chi_{85,0}, \varphi_{85,0}$
	118	0	$530145_4 = \chi_{85,1}, \varphi_{85,1}$
	119	0	$1060290_1 = \chi_{86+}, \varphi_{86+}$
	120	0	$1178100_1 = \chi_{88+}, \varphi_{90+}$

	blocks	defect	matrix
	121	0	$1178100_2 = \chi_{90+}, \varphi_{92+}$
	122	0	$598400_1 = \chi_{92,0}, \varphi_{94,0}$
	123	0	$598400_2 = \chi_{92,1}, \varphi_{94,1}$
	124	0	$630784_1 = \chi_{95,0}, \varphi_{95,0}$
	125	0	$630784_2 = \chi_{95,1}, \varphi_{95,1}$
	126	0	$1363230_1 = \chi_{96+}, \varphi_{96+}$
	127	0	$765952_1 = \chi_{104,0}, \varphi_{99,0}$
	128	0	$765952_2 = \chi_{104,1}, \varphi_{99,1}$
	129	0	$837760_1 = \chi_{105,0}, \varphi_{100,0}$
	130	0	$837760_2 = \chi_{105,1}, \varphi_{100,1}$
	131	0	$848232_2 = \chi_{106,0}, \varphi_{101,0}$
	132	0	$848232_3 = \chi_{106,1}, \varphi_{101,1}$
	133	0	$908820_1 = \chi_{107,0}, \varphi_{102,0}$
	134	0	$908820_2 = \chi_{107,1}, \varphi_{102,1}$
	135	0	$969408_1 = \chi_{108,0}, \varphi_{103,0}$
	136	0	$969408_2 = \chi_{108,1}, \varphi_{103,1}$
	137	0	$1047200_2 = \chi_{109,0}, \varphi_{104,0}$
	138	0	$1047200_3 = \chi_{109,1}, \varphi_{104,1}$
	139	0	$1060290_2 = \chi_{111,0}, \varphi_{105,0}$
	140	0	$1060290_3 = \chi_{111,1}, \varphi_{105,1}$
	141	0	$1136025_1 = \chi_{112,0}, \varphi_{106,0}$
	142	0	$1136025_2 = \chi_{112,1}, \varphi_{106,1}$
	143	0	$1178100_3 = \chi_{113,0}, \varphi_{107,0}$
	144	0	$1178100_4 = \chi_{113,1}, \varphi_{107,1}$
	145	0	$1403325_1 = \chi_{114,0}, \varphi_{108,0}$
	146	0	$1403325_2 = \chi_{114,1}, \varphi_{108,1}$
	147	0	$1403325_3 = \chi_{115,0}, \varphi_{109,0}$
	148	0	$1403325_4 = \chi_{115,1}, \varphi_{109,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{75,0}$	$\varphi_{75,1}$	$\varphi_{98,0}$	$\varphi_{98,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.
$340_1 = \chi_{4,0}$	1	.	1	.	.	.	.	.	.	.
$340_2 = \chi_{4,1}$	.	1	.	1	.	.	.	.	.	.
$22848_1 = \chi_{24,0}$	.	.	1	.	1	.	.	.	.	.
$22848_2 = \chi_{24,1}$	.	.	.	1	.	1	.	.	.	.
$348160_1 = \chi_{75,0}$	.	.	.	.	1	.	1	.	.	.
$348160_2 = \chi_{75,1}$	.	.	.	.	.	1	.	1	.	.
$1445850_1 = \chi_{98+}$	.	.	.	.	.	.	.	.	1	1
$1048576_1 = \chi_{110,0}$	.	.	.	.	.	.	1	.	1	.
$1048576_2 = \chi_{110,1}$	.	.	.	.	.	.	.	1	.	1

$$\begin{aligned}
\varphi_{1,0} &= 1_1 & \varphi_{24,1} &= 22509_2 \\
\varphi_{1,1} &= 1_2 & \varphi_{75,0} &= 325651_1 \\
\varphi_{4,0} &= 339_1 & \varphi_{75,1} &= 325651_2 \\
\varphi_{4,1} &= 339_2 & \varphi_{98,0} &= 722925_1 \\
\varphi_{24,0} &= 22509_1 & \varphi_{98,1} &= 722925_2
\end{aligned}$$

Block 6:	φ_{5+}	φ_{11+}	φ_{37+}	φ_{58+}	φ_{88+}	
$1190_1 = \chi_{5+}$	1	.	.	.	.	$\varphi_{5+} = 1190_1$
$11900_1 = \chi_{11+}$	.	1	.	.	.	$\varphi_{11+} = 11900_1$
$142800_1 = \chi_{37+}$	1	.	1	.	.	$\varphi_{37+} = 141610_1$
$380800_1 = \chi_{58+}$	.	1	.	1	.	$\varphi_{58+} = 368900_1$
$1218560_1 = \chi_{93+}$	.	.	1	.	1	$\varphi_{88+} = 1076950_1$
$1445850_2 = \chi_{100+}$	.	.	.	1	1	
$1445850_3 = \chi_{102+}$	.	.	.	1	1	